

DOCKET NO.: AREN-0240

2120
0590#3
PATENT 10/12



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Dominic P. Behan, et al.

Serial No.: 09/876,252

Group Art Unit: Not Yet Assigned

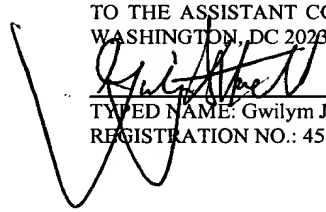
Filing Date: June 7, 2001

Examiner: Not Yet Assigned

For: CONSTITUTIVELY ACTIVATED HUMAN G PROTEIN COUPLED
RECEPTORS

DATE OF DEPOSIT: September 24, 2001

I HEREBY CERTIFY THAT THIS PAPER IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID
ON THE DATE INDICATED ABOVE AND IS ADDRESSED
TO THE ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, DC 20231.


TYPED NAME: Gwilym J.O. Attwell
REGISTRATION NO.: 45,449

Assistant Commissioner for Patents
Washington DC 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☐ In view of the voluminous nature of references (), and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☒ Copies of references **AA thru EY, GL thru GY** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **09/170,496**, filed October 13, 1998 .
- ☒ Copies of references **AA thru CB, CN thru EF, EQ, FM thru FO, FQ thru GC, GF thru GH, GL thru GY** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **09/364,425**, filed July 31, 1998
- ☒ Copies of references **AA thru EL, EZ thru FP, FS thru HU** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **09/417,044**, filed October 1, 1999
- ☒ Copies of references **AA thru EM, ER thru EY, EZ thru FO, FT thru GC, GE thru GG, GL thru HW** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **09/416,760**, filed October 12, 1999

DOCKET NO.: AREN-0240

- 4 -

PATENT

☐ If any of the foregoing publications are not available to the Examiner,

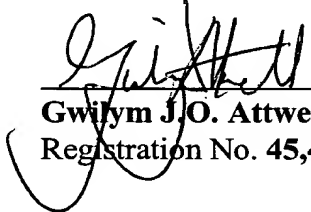
Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: *September 24, 2001*



Gwilym J.O. Attwell
Registration No. **45,449**

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Alla, S.A. et al., "Extracellular domains of the bradykinin B2 receptor involved in ligand binding and agonist sensing defined by anti-peptide antibodies," <i>J. Biol. Chem.</i> , 1996 , 271, 1748-1755	
	AB	Advenier, C. et al., "Effects on the isolated human bronchus of SR 48968, a potent and selective nonpeptide antagonist of the neurokinin A (NK ₂) receptors," <i>Am. Rev. Respir. Dis.</i> , 1992 , 146(5, Pt. 1), 1177-1181	
	AC	Alexander, W.S. et al., "Point mutations within the dimer interact homology domain of c-Mpl induce constitutive receptor activity and tumorigenicity," <i>EMBO J.</i> , 1995 , 14(22), 5569-5578	
	AD	Arvanitakis, L. et al., "Human herpesvirus KSHV encodes a constitutively active G-protein-coupled receptor linked to cell proliferation," <i>Nature</i> , 1997 , 385, 347-349	
	AE	Barker, E.L. et al., "Constitutively active 5-hydroxytryptamine _{2C} receptors reveal novel inverse agonist activity of receptor ligands," <i>J. Biol. Chem.</i> , 1994 , 269(16), 11687-11690	
	AF	Baxter, G., "5-HT ₂ receptors: a family re-united?" <i>Trends Pharmacol. Sci.</i> , 1995 , 16, 105-110	
	AG	Besmer, P. et al., "A new acute transforming feline retrovirus and relationship of its oncogene v-kit with the protein kinase gene family," <i>Nature</i> , 1986 , 320, 415	
	AH	Blin, N. et al., "Mapping of single amino acid residues required for selective activation of G _{q/11} by the m3 muscarinic acetylcholine receptor," <i>J. Biol. Chem.</i> , 1995 , 270, 17741-17748	
	AI	Bond, R.A. et al., "Inverse agonists and G-protein-coupled receptors," in <i>Receptor-Based Drug Design</i> , Leff, P. (ed.), New York, M. Dekker, 1998 , 363-377	
	AJ	Boone, C. et al., "Mutations that alter the third cytoplasmic loop of the a-factor receptor lead to a constitutive and hypersensitive phenotype," <i>Proc. Natl. Acad. Sci. USA</i> , 1993 , 90(21), 9921-9925	
EXAMINER		DATE CONSIDERED	

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.


Filing Date
June 7, 2001

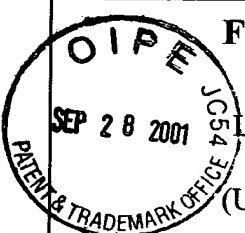
Group
Not Yet Assigned

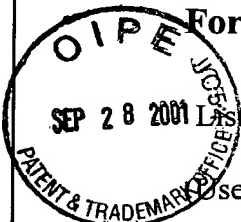
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Burstein, E.S. et al., "Constitutive activation of chimeric m2/m5 muscarinic receptors and delineation of G-protein coupling selectivity domains," <i>Biochem. Pharmacol.</i> , 1996 , 51(4), 539-544
AL	Burstein, E.S. et al., "Amino acid side chains that define muscarinic receptor/G-protein coupling. Studies of the third intracellular loop," <i>J. Biol. Chem.</i> , 1996 , 271(6), 2882-2885
AM	Burstein, E.S. et al., "Constitutive activation of muscarinic receptors by the G-protein G _q ," <i>FEBS Lett.</i> , 1995 , 363(3), 261-263
AN	Bylund, D., "International union of pharmacology nomenclature of adrenoceptors," <i>Pharmacol. Rev.</i> , 1994 , 46, 121-136
AO	Casey, C. et al., "Constitutively active mutant 5-HT _{2A} serotonin receptors: inverse agonist activity of classical 5HT _{2A} antagonists," <i>Soc. Neurosci.</i> , 1996 , Abstract #699.10
AP	Cheatham, B. et al., "Substitution of the <i>erbB-2</i> oncoprotein transmembrane domain activates the insulin receptor and modulates the action of insulin-receptor substrate 1," <i>Proc. Natl. Acad. Sci. USA</i> , 1993 , 90, 7336-7340
AQ	Chen, J. et al., "Tethered Ligand Library for Discovery of Peptide Agonists," <i>J. Biol. Chem.</i> , 1995 , 270, 23398-23401
AR	Chen, T.S. et al., "Microbial hydroxylation and glucuronidation of the angiotensin II (AII) receptor antagonist MK 954," <i>J. Antibiot. (Tokyo)</i> , 1993 , 46(1), 131-134
AS	Chen, W. et al., "A colorimetric assay for measuring activation of G _s - and G _q -coupled signaling pathways," <i>Anal. Biochem.</i> , 1995 , 226(2), 349-354
AT	Chidiac, P. et al., "Inverse agonist activity of β -adrenergic antagonists," <i>J. Pharm. Exp. Ther.</i> , 1994 , 45, 490-499
AU	Clozel, M. et al., "In vivo pharmacology of Ro 46-2005, the first synthetic nonpeptide endothelin receptor antagonist: implications for endothelin physiology," <i>J. Cardiovas. Pharmacol.</i> , 1993 , 22(Suppl. 8), S377-S379

EXAMINER**DATE CONSIDERED**

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AV	Collesi, C. et al., "A splicing variant of the <i>RON</i> transcript induces constitutive tyrosine kinase activity and an invasive phenotype," <i>Mol. Cell. Biol.</i> , 1996 , 16(2), 5518-5526	
	AW	Cooper, C.S. et al., "Molecular cloning of a new transforming gene from a chemically transformed human cell line," <i>Nature</i> , 1984 , 311, 29-33	
	AX	De Dios, I. et al., "Effect of L-364,718 (CCK Receptor Antagonist) on Exocrine Pancreatic Secretion of Hydrocortison-Treated Rats," <i>Pancreas</i> , 1994 , 9(2), 212-218	
	AY	Desbios-Mouthon, C. et al., "Deletion of Asn ²⁸¹ in the α -subunit of the human insulin receptor causes constitutive activation of the receptor and insulin desensitization," <i>J. Clin. Endocrinol. Metab.</i> , 1996 , 81(2), 719-727	
	AZ	Di Renzo, M.F. et al., "Expression of the Met/HGF receptor in normal and neoplastic human tissues," <i>Oncogene</i> , 1991 , 6(11), 1997-2003	
	BA	Di Renzo, M.F. et al., "Overexpression of the c-MET/HGF receptor gene in human thyroid carcinomas," <i>Oncogene</i> , 1992 , 7, 2549-2553	
	BB	Duprez, L. et al., "Germline mutations of the thyrotropin receptor gene cause non-autoimmune autosomal dominant hyperthyroidism," <i>Nature Genetics</i> , 1994 , 7, 396-401	
	BC	Eggericksx, D. et al., "Molecular Cloning of an Orphan G-Protein-Coupled Receptor that Constitutively Activates Adenylate Cyclase," <i>Biochem. J.</i> , 1995 , 309, 837-843	
	BD	Evans, B.E. et al., "Orally Active, Nonpeptide Oxytocin Antagonists," <i>J. Med. Chem.</i> , 1992 , 35, 3919-3927	
	BE	Fu, M. et al., "Functional autoimmune epitope on α_1 -adrenergic receptors in patients with malignant hypertension," <i>Lancet</i> , 1994 , 344, 1660-1663	
EXAMINER		DATE CONSIDERED	

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BF	Furitsu, T. et al., "Identification of Mutations in the Coding Sequence of the Proto-oncogene <i>c-kit</i> in a Human Mast Cell Leukemia Cell Line Causing Ligand-independent Activation of <i>c-kit</i> Product," <i>J. Clin. Invest.</i> , 1993 , 92, 1736-1744	
	BG	Gellai, M. et al., "Nonpeptide Endothelin Receptor Antagonists V: Prevention and Reversal of Acute Renal Failure in the Rat by SB 209670," <i>J. Pharm. Exp. Therap.</i> , 1995 , 275(1), 200-206	
	BH	Gitter, B. et al., "Pharmacological Characterization of LY303870: A Novel Potent and Selective Nonpeptide Substance P (Neurokinin-1) Receptor Antagonist," <i>J. Pharm. Exp. Therap.</i> , 1995 , 275(2), 737-744	
	BI	Gouilleux-Gruart, V. et al., "STAT-Related Transcription Factors are Constitutively Activated in Peripheral Blood Cells from Acute Leukemia Patients," <i>Blood</i> , 1996 , 87(5), 1692-1697	
	BJ	Hansson, J.H. et al., "Hypertension caused by a truncated epithelial sodium channel γ subunit: genetic heterogeneity of Liddle syndrome," <i>Nat. Genet.</i> , 1995 , 11(1), 76-82	
	BK	Hasegawa, H. et al., "Two Isoforms of the Prostaglandin E Receptor EP3 Subtype Different in Agonist-independent Constitutive Activity," <i>J. Biol. Chem.</i> , 1996 , 271(4), 1857-1860	
	BL	Hendler, F. et al., "Human Squamous Cell Lung Cancers Express Increased Epidermal Growth Factor Receptors," <i>J. Clin. Invest.</i> , 1984 , 74, 647-651	
	BM	Herrick-Davis, K. et al., "Constitutively Active 5HT _{2C} Serotonin Receptor Created by Site-Directed Mutagenesis," <i>Soc. Neurosci.</i> , Abstract No. 699.18	
	BN	Hieble, J., "International union of pharmacology. X. Recommendation for nomenclature of 1-adrenoceptors," <i>Pharm. Rev.</i> , 1995 , 47, 267-270	
	BO	Hill, S., "Distribution, Properties, and Functional Characteristics of Three Classes of Histamine Receptor," <i>Am. Soc. Pharm. Exp. Therap.</i> , 1990 , 42(1), 45-83	
EXAMINER		DATE CONSIDERED	

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BP	Högger, P. et al., "Activating and Inactivating Mutations in - and C-terminal i3 Loop Junctions of Muscarinic Acetylcholine Hm1 Receptors," <i>J. Biol. Chem.</i> , 1995 , 270(13), 7405-7410	
	BQ	Ikeda, H. et al., "Expression and Functional Role of the Proto-oncogene <i>c-kit</i> in Acute Myeloblastic Leukemia Cells," <i>Blood</i> , 1991 , 78(11), 2962-2968	
	BR	Imura, R. et al., "Inhibition by HS-142-1, a novel nonpeptide atrial natriuretic peptide antagonist of microbial origin, of atrial natriuretic peptide-induced relaxation of isolated rabbit aorta through the blockade of guanylyl cyclase-linked receptors," <i>Mol. Pharm.</i> , 1992 , 42, 982-990	
	BS	Jakubik, J. et al., "Constitutive activity of the M ₁ -M ₄ subtypes of muscarinic receptors in transfected CHO cells and of muscarinic receptors in the heart cells revealed by negative antagonists," <i>FEBS Letts.</i> , 1995 , 377, 275-279	
	BT	Kjelsberg, M.A. et al., "Constitutive activation of the α_{1B} -adrenergic receptor by all amino acid substitutions at a single site," <i>J. Biol. Chem.</i> , 1992 , 267(3), 1430-1433	
	BU	Knapp, R. et al., "Molecular biology and pharmacology of cloned opioid receptors," <i>FASEB J.</i> , 1995 , 9, 516-525	
	BV	Kosugi, S. et al., "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," <i>Human Mol. Genetics</i> , 1995 , 4(2), 183-188	
	BW	Kosugi, S. et al., "Identification of Thyroid-Stimulating Antibody-Specific Interaction Sites in the N-Terminal Region of the Thyrotropin Receptor," <i>Mol. Endocrinology</i> , 1993 , 7, 114-130	
	BX	Kraus, M. et al., "Demonstration of ligand-dependent signaling by the <i>erbB-3</i> tyrosine kinase and its constitutive activation in human breast tumor cells," <i>Proc. Natl. Acad. Sci. USA</i> , 1993 , 90, 2900-2904	
	BY	Kudlacz, E. et al., "In Vitro and In Vivo Characterization of MDL 105,212A, a Nonpeptide NK-1/NK-2 Tachykinin Receptor Antagonist," <i>J. Pharm. Exp. Therap.</i> , 1996 , 277(2), 840-851	
EXAMINER		DATE CONSIDERED	

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

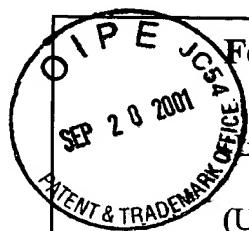
CA	Labbé-Jullié, C. et al., "Effect of the nonpeptide neurotensin antagonist, SR 48692, and two enantiomeric analogs, SR 48527 and SR 49711, on neurotension binding and contractile responses in guinea pig ileum and colon," <i>J. Pharm. Exp. Therap.</i> , 1994 , 271(1), 267-276
CB	Latronico, A. et al., "A novel mutation of the luteinizing hormone receptor gene causing male gonadotropin-independent precocious puberty," <i>J. Clin. Endocrinol. Metabl.</i> , 1995 , 80(8), 2490-2494
CC	Laue, L. et al., "Genetic heterogeneity of constitutively activating mutations of the human luteinizing hormone receptor in familial male-limited precocious puberty," <i>Proc. Natl. Acad. Sci USA</i> , 1995 , 92, 1906-1910
CD	Løvlie, R. et al., "The Ca ²⁺ -sensing receptor gene (PCAR1) mutation T151M in isolated autosomal dominant hypoparathyroidism," <i>Hum. Genet.</i> , 1996 , 98, 129-133
CE	Lefkowitz, R. et al., "Constitutive activity of receptors coupled to guanine nucleotide regulatory proteins," <i>Trends Pharmacol. Sci.</i> , 1993 , 14, 300-307
CF	Libermann, T. et al., "Amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin," <i>Nature</i> , 1985 , 313, 144-147
CG	Liu, C. et al., "Overexpression of c-met proto-oncogene but not epidermal growth factor receptor or c-erbB-2 in primary human colorectal carcinomas," <i>Oncogene</i> , 1992 , 7, 181-185
CH	Liu, J. et al., "Molecular mechanisms involved in muscarinic acetylcholine receptor-mediated G protein activation studied by insertion mutagenesis," <i>J. Biol. Chem.</i> , 1996 , 271(11), 6172-6178
CI	Lonardo, F. et al., "The normal erbB-2 product is an atypical receptor-like tyrosine kinase with constitutive activity in the absence of ligand," <i>New Biologist</i> , 1990 , 2(11), 992-1003
CJ	Maenhaut, C. et al., "RDC8 codes for an adenosine A2 receptor with physiological constitutive activity," <i>Biochem. Biophys. Res. Comm.</i> , 1990 , 173(3), 1169-1178

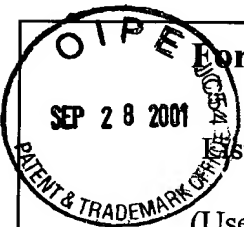
EXAMINER**DATE CONSIDERED**

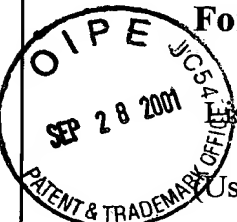
**Form PTO-1449 Modified**Docket No.
AREN-0240Serial No.
09/876,252List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)Applicant
Dominic P. Behan, et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
June 7, 2001Group
Not Yet Assigned**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

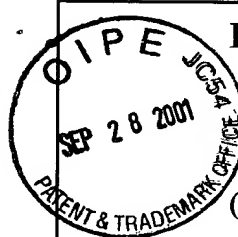
CK	Mann, J. et al., "Increased serotonin ₂ and β -adrenergic receptor binding in the frontal cortices of suicide victims," <i>Arch. Gen. Psychiatry</i> , 1986 , 43, 954-959
CL	Marone, R.L. et al., "Human CRF receptor chimeras: Mapping of ligand binding determinants," 26th Meeting of the Society of Neuroscience, Washington, D.C. November 16-21, 1996 , Abstract No. 609.8
CM	Magnusson, Y. et al., "Autoimmunity in idiopathic dilated cardiomyopathy," <i>Circulation</i> , 1994 , 89, 2760-2767
CN	Matus-Leibovitch, N. et al., "Truncation of the thyrotropin-releasing hormone receptor carboxyl tail causes constitutive activity and leads to impaired responsiveness in <i>Xenopus</i> Oocytes and AtT20 Cells," <i>J. Biol. Chem.</i> , 1995 , 270(3), 1041-1047
CO	Myles, G.M. et al., "Tyrosine 569 in the c-Fms juxtamembrane domain is essential for kinase activity and macrophage colony-stimulating factor-dependent internalization," <i>Mol. Cell. Biol.</i> , 1994 , 14(7), 4843-4854
CP	Nanevich, T. et al., "Thrombin receptor activating mutations," <i>J. Biol. Chem.</i> , 1996 , 271(2), 702-706
CQ	Natali, P.G. et al., "Expression of the c-Met/HGF receptor in human melanocytic neoplasms: demonstration of the relationship to malignant melanoma tumour progression," <i>Br. J. Cancer</i> , 1993 , 68, 746-750
CR	Neilson, K.M. et al., "Constitutive activation of fibroblast growth factor receptor-2 by a point mutation associated with Crouzon syndrome," <i>J. Biol. Chem.</i> , 1995 , 270(44), 26037-26040
CS	Oda, S. et al., "Pharmacological profile of HS-142-1, a novel nonpeptide atrial natriuretic peptide (ANP) antagonist of microbial origin. II. Restoration by HS-142-1 of ANP-induced inhibition of aldosterone production in adrenal glomerulosa cells," <i>J. Pharm. Exp. Ther.</i> , 1992 , 263(1), 241-245
CT	O'Dowd, B.F. et al., "Site-directed mutagenesis of the cytoplasmic domains of the human β 2-adrenergic receptor," <i>J. Biol. Chem.</i> , 1988 , 263(31), 15985-15992

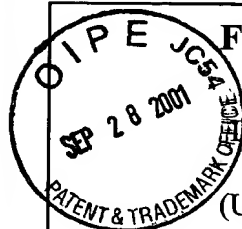
EXAMINER**DATE CONSIDERED**

	Form PTO-1449 Modified		Docket No. AREN-0240	Serial No. 09/876,252
	List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Dominic P. Behan, et al.	
	U.S. Department of Commerce Patent and Trademark Office		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	CU	Offermanns, S. et al., " $G\alpha_{15}$ and $G\alpha_{16}$ Couple a Wide Variety of Receptors to Phospholipase C," <i>J. Biol. Chem.</i> , 1995 , 270, 15175-15180		
	CV	Palkowitz, A.D. et al., "Structural evolution and pharmacology of a novel series of triacid angiotensin II receptor antagonists," <i>J. Med. Chem.</i> , 1994 , 37, 4508-4521		
	CW	Parent, J. et al., "Mutations of two adjacent amino acids generate inactive and constitutively active forms of the human platelet-activating factor receptor," <i>J. Biol. Chem.</i> , 1996 , 271(14), 7949-7955		
	CX	Parfitt, A.M. et al., "Hypercalcemia due to constitutive activity of the parathyroid hormone (PTH)/PTH-related peptide receptor: comparison with primary hyperparathyroidism," <i>J. Clin. Endocr. Metab.</i> , 1996 , 81, 3584-3588		
	CY	Parma, J. et al., "Somatic mutations in the thyrotropin receptor gene cause hyperfunctioning thyroid adenomas," <i>Nature</i> , 1993 , 365, 649-651		
	CZ	Pei, G. et al., "A constitutive active mutant β_2 -adrenergic receptor is constitutively desensitized and phosphorylated," <i>Proc. Natl. Acad. Sci. USA</i> , 1994 , 91, 2699-2702		
	DA	Pendley, C.E. et al., "The gastrin/cholecystokinin-B receptor antagonist L-365,260 reduces basal acid secretion and prevents gastrointestinal damage induced by aspirin, ethanol and cysteamine in the rat," <i>J. Pharmacol. Exp. Ther.</i> , 1993 , 265(3), 1348-1354		
	DB	Peroutka, S., "Serotonin receptor subtypes. Their evolution and clinical relevance," <i>CNS Drugs</i> , 1995 , 4 (Suppl. 1), 18-28		
	DC	Pettibone, D.J. et al., "Development and pharmacological assessment of novel peptide and nonpeptide oxytocin antagonists," <i>Regul. Pept.</i> , 1993 , 45, 289-293		
	DD	Prat, M.P. et al., "The receptor encoded by the human c-Met oncogene is expressed in hepatocytes, epithelial cells and solid tumors," <i>Int. J. Cancer</i> , 1991 , 49, 323-328		
EXAMINER		DATE CONSIDERED		

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DE	Prezeua, L. et al., "Changes in the carboxy-terminal domain of metabotropic glutamate receptor 1 by alternate splicing generate receptors with differing agonist-independent activity," <i>Mol. Pharmacol.</i> , 1996 , 49, 422-429	
	DF	Rakovska, A. et al., "Effect of loxiglumide (CR 1505) on CCK-induced contractions and ³ H-acetylcholine release from guinea-pig gallbladder," <i>Neuropeptides</i> , 1993 , 25(5), 271-276	
	DG	Ren, Q. et al., "Constitutive active mutants of the α_2 -adrenergic receptor," <i>J. Biol. Chem.</i> , 1993 , 268, 16483-16487	
	DH	Reynolds, E.E. et al., "Pharmacological characterization of PD 156707, an orally active ET _A receptor antagonist," <i>J. Pharmacol. Exp. Ther.</i> , 1995 , 273(3), 1410-1417	
	DI	Robbins, L.S. et al., "Pigmentation phenotypes of variant extension locus alleles result from point mutations that alter MSH receptor function," <i>Cell</i> , 1993 , 72, 827-834	
	DJ	Rong, S. et al., "Met expression and sarcoma tumorigenicity," <i>Cancer</i> , 1993 , 53(22), 5355-5360	
	DK	Samama, P. et al., "A mutation-induced activation state of the β_2 -adrenergic receptor," <i>J. Biol. Chem.</i> , 1993 , 268(7), 4625-4636	
	DL	Sautel, M. et al., "Neuropeptide Y and the nonpeptide antagonist BIBP 3226 share an overlapping binding site at the human Y1 receptor," <i>Am. Soc. Pharm. Exp. Ther.</i> , 1996 , 50, 285-292	
	DM	Sawutz, D.G. et al., "Pharmacology and structure-activity relationships of the nonpeptide bradykinin receptor antagonist WIN 64338," <i>Can. J. Physiol. Pharmacol.</i> , 1995 , 73, 805-811	
	DN	Scheer, A. et al., "Constitutively active G protein-coupled receptors: potential mechanisms of receptor activation," <i>J. Rec. Signal Transduct. Res.</i> , 1997 , 17(1-3), 57-73	
EXAMINER		DATE CONSIDERED	

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DO	Scheer, A. et al., "The activation process of the α_{1B} -adrenergic receptor: Potential role of protonation and hydrophobicity of a highly conserved aspartate," <i>Proc. Natl. Acad. Sci. USA</i> , 1997 , 94, 808-813	
	DP	Schwinn, D.A. et al., "Cloning and pharmacological characterization of human <i>Alpha-1</i> adrenergic receptors: sequence corrections and direct comparison with other species homologues," <i>J. Pharmacol.</i> , 1995 , 272(1), 134-142	
	DQ	Schild, L. et al., "A mutation in the epithelial sodium channel causing Liddle disease increases channel activity in the <i>Xenopus laevis</i> oocyte expression system," <i>Proc. Natl. Acad. Sci. USA</i> , 1995 , 92, 5699-5703	
	DR	Seeman, P. et al., "Dopamine receptor pharmacology," <i>Trends Pharmacol. Sci.</i> , 1994 , 15, 264-270	
	DS	Seeman, P. et al., "Dopamine D4 receptors elevated in schizophrenia," <i>Nature</i> , 1993 , 365, 441-445	
	DT	Serradeil-Le Gale, C. et al., "Biochemical and pharmacological properties of SR 49059, a new, potent, nonpeptide antagonist of rat and human vasopressin V_{1a} receptors," <i>J. Clin. Invest.</i> , 1993 , 92, 224-231	
	DU	Sharif, M. et al., "Malignant transformation by G protein-coupled hormone receptors," <i>Mol. Cell. Endocrinology</i> , 1994 , 100, 115-119	
	DV	Showers, M.O. et al., "Activation of the erythropoietin receptor by the Friend spleen focus-forming virus gp55 glycoprotein induces constitutive protein tyrosine phosphorylation," <i>Blood</i> , 1992 , 80(12), 3070-3078	
	DW	Skinner, R.H. et al., "Direct measurement of the binding of RAS to neurofibromin using scintillation proximity assay," <i>Anal. Biochem.</i> , 1994 , 223, 259-265	
	DX	Slamon, D.J. et al., "Human breast cancer: correlation of relapse and survival with amplification of the HER-2/ <i>neu</i> oncogene," <i>Science</i> , 1987 , 235, 177-182	
EXAMINER		DATE CONSIDERED	

	Form PTO-1449 Modified		Docket No. AREN-0240	Serial No. 09/876,252
	List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Dominic P. Behan, et al.	
	U.S. Department of Commerce Patent and Trademark Office		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	DY	Slamon, D. et al., "Studies of the HER-2/ <i>neu</i> proto-oncogene in human breast and ovarian cancer," <i>Science</i> , 1989 , 244, 707-712		
	DZ	Solomon, Y. et al., "A highly sensitive adenylate cyclase assay," <i>Anal. Biochem.</i> , 1974 , 58, 541-548		
	EA	Spiegel, A.M., "Defects in G protein-coupled signal transduction in human disease," <i>Ann. Rev. Physiol.</i> , 1995 , 58, 143-170		
	EB	ter Laak, A. et al., "Modelling and mutation studies on the histamine H ₁ -receptor agonist binding site reveal different binding modes for H ₁ -agonists: Asp ¹¹⁶ (TM3) has a constitutive role in receptor stimulation," <i>J. Computer-Aided Mol. Design</i> , 1995 , 9, 319-330		
	EC	Tiberi, M. et al., "High agonist-independent activity is a distinguishing feature of the dopamine D1B receptor subtype," <i>J. Biol. Chem.</i> , 1994 , 269(45), 27925-27931		
	ED	Tsuji-mura, T. et al., "Constitutive activation of c- <i>kit</i> in FMA3 murine mastocytoma cells caused by deletion of seven amino acids at the juxtamembrane domain," <i>Blood</i> , 1996 , 87(1), 273-283		
	EE	Wang, Z. et al., "Constitutive μ opioid receptor activation as a regulatory mechanism underlying narcotic tolerance and dependence," <i>Life Sci.</i> , 1994 , 54(20), 339-350		
	EF	Watowich, S.S. et al., "Homodimerization and constitutive activation of the erythropoietin receptor," <i>Proc. Natl. Acad. Sci USA</i> , 1992 , 89, 2140-2144		
	EG	Weber-Nordt, R.M. et al., "Constitutive activation of STAT proteins in primary lymphoid and myeloid leukemia cells and in Epstein-Barr virus (EBV)-related lymphoma cell lines," <i>Blood</i> , 1996 , 88(3), 809-816		
	EH	Webster, M.K. et al., "Constitutive activation of fibroblast growth factor receptor 3 by the transmembrane point mutation found in achondroplasia," <i>EMBO J.</i> , 1996 , 15, 520-527		
EXAMINER		DATE CONSIDERED		

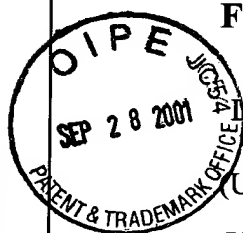
 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. AREN-0240	Serial No. 09/876,252
	Applicant Dominic P. Behan, et al.	
	Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	EI	Xu, Y. et al., "Characterization of epidermal growth factor receptor gene expression in malignant and normal human cell lines," <i>Proc. Natl. Acad. Sci. USA</i> , 1984 , 81, 7308-7312
	EJ	Yamada, K. et al., "Substitution of the insulin receptor transmembrane domain with the <i>c-neu/erbB2</i> transmembrane domain constitutively activates the insulin receptor kinases <i>in vitro</i> ," <i>J. Biol. Chem.</i> , 1992 , 267(18), 12452-12461
	EK	Zhang, S. et al., "Identification of Dynorphins as Endogenous Ligands for an Opioid Receptor-Like Orphan Receptor," <i>J. Biol. Chem.</i> , 1995 , 270, 22772-22778
	EL	Zhen, Z. et al., "Structural and functional domains critical for constitutive activation of the HGF-receptor (<i>Met</i>)," <i>Oncogene</i> , 1994 , 9, 1691-1697
	EM	Pauwels P.J. et al., "Review: Amino Acid Domains Involved in Constitutive Activation of G-Protein-Coupled Receptors", <i>Molecular Neurobiology</i> , 1998 , 17, pp. 109-135.
	EN	Shryock, John et al., "Inverse Agonists and Neutral Antagonists of Recombinant Human A ₁ Adenosine Receptors Stably Expressed in Chinese Hamster Ovary Cells," <i>Molecular Pharmacology</i> , 1998 , 53, pp. 886-893.
	EO	Wenzel-Seifert et al., "High Constitutive Activity of the Human Formyl Peptide Receptor", <i>Journal of Biological Chem.</i> , 1998 , 273, pp. 24181-24189.
	EP	Forman, B.M., et al., "Androstane Metabolites Bind to and Deactivate the Nuclear Receptor CAR- β ", <i>Nature</i> , 1998 , 395, pp. 612-615.
	EQ	Seifert R. et al., "Different Effects of G _s α Splice Variants on β_2 -Adrenoreceptor-mediated Signaling, <i>Journal of Biological Chem.</i> , 1998 , 273, pp. 5109-5116.
	ER	Bergsma, D.J., et al., "Cloning and characterization of a human angiotensin II type 1 receptor," <i>Biochem. & Biophys. Res. Comm.</i> , 1992 , XP-002145165, 183(3), 989-995
EXAMINER		DATE CONSIDERED

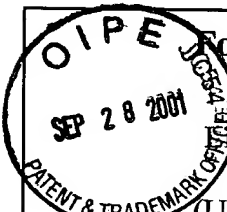
Form PTO-1449 ModifiedDocket No.
AREN-0240Serial No.
09/876,252Applicant
Dominic P. Behan, et al.Filing Date
June 7, 2001Group
Not Yet AssignedList of Patent and Publications
Cited by Applicant

(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

ES	Gantz, I., et al., "Molecular cloning, expression, and gene localization of a fourth melanocortin receptor," <i>J. Biol. Chem.</i> , 1993 , XP-002051983, 268(20), 15174-15178
ET	Groblewski, T., et al., "Mutation of Asn ¹¹¹ in the third transmembrane domain of the AT _{1a} angiotensin II receptor induces its constitutive activation," <i>J. Biol. Chem.</i> , 1997 , XP-002145162, 272(3), 1822-1826
EU	Koike, G., et al., "Human type 2 angiotensin II receptor gene: cloned, mapped to the X chromosome, and its mRNA is expressed in the human lung," <i>Biochem. And Biophys. Res. Comm.</i> , 1994 , XP-002145166, 203(3), 1842-1850
EV	Kyaw, H., et al., "Cloning, characterization, and mapping of human homolog of mouse T-cell death-associated gene," <i>DNA and Cell Biology</i> , 1998 , XP000929737, 17(6), 493-500
EW	Noda, K., et al., "The active state of the AT ₁ angiotensin receptor is generated by angiotensin II induction," <i>Biochem.</i> , 1996 , XP-002145163, 35, 16435-16442
EX	Reppert, S.M., et al., "Cloning of a melatonin-related receptor from human pituitary," <i>FEBS Letts.</i> , 1996 , XP-002145161, 219-2254
EY	Scheer, A., et al., "Constitutively active G protein-coupled receptors: potential mechanisms of receptor activation," <i>J. Receptor & Signal Transduction Res.</i> , 1997 , XP-000867531, 17(1-3), 57-73
EX	Reppert, S.M., et al., "Cloning of a melatonin-related receptor from human pituitary," <i>FEBS Letts.</i> , 1996 , XP-002145161, 219-2254
EY	Scheer, A., et al., "Constitutively active G protein-coupled receptors: potential mechanisms of receptor activation," <i>J. Receptor & Signal Transduction Res.</i> , 1997 , XP-000867531, 17(1-3), 57-73
EZ	Munzy D. et al., "Homo sapeins chormosome 2p13.3, clone RPCI111-433J6 - sequencing in progress - 100 unordered pieces." <i>EMBL Database Accession Number AC006087</i> , 1998 .

EXAMINER**DATE CONSIDERED**

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	FA	Smith D.R., "Sequencing of human chromosome 10", <i>EMBL Database Accession Number AC005849</i> , 1998.	
	FB	O'Dowd B.F. et al., "Discovery of Three Novel G-Protein-Coupled Receptor Genes", <i>Genomics</i> , 1998, 47, pp. 310-313. (Whole document)	
	FC	Strausberg R., "National Cancer Institute, Cancer Genome Anatomy Project", <i>EMBL Database Accession Number AI090920</i> , 1998. (Abstract)	
	FD	Matsuoka I. et al., "Identification of Novel members of G-protein coupled receptor subfamily", <i>Biochemical and Biophysical Research Communications</i> , 1993, 194. (whole document)	
	FE	Hillier L. et al., "Generation and analysis of 280000 human expressed sequence tags", <i>EMBL Database Accession Number H67224</i> , 1995, abstract.	
	FF	Strausberg R., "National Cancer Institute, Cancer Genome Project", <i>EMBL Database Accession Number AI131555</i> , 1998, abstract.	
	FG	Weng et al., "A DNA damage and stress inducible G protein-coupled receptor blocks cells in G2/M", <i>Proceedings of the National Acad. Of Sciences of USA</i> , 1998, 95, whole document.	
	FH	Strausberg R., "National Cancer Institute, Cancer Genome Anatomy Project", <i>EMBL Database Accession Number AA804531</i> , 1998, abstract.	
	FI	Stadel, et al., "Orphan G Protein-Coupled Receptors: A neglected opportunity for pioneer drug discovery", <i>Trends in Pharm. Sciences</i> , 1997, 18, pp. 430-437.	
	FJ	Williams, S., "Human DNA Sequence From close 417022 on Chromosome 6q16.1-16.3.", <i>EMBL Database Entry HS417022</i> , 1998, pp. 1-34.	
EXAMINER		DATE CONSIDERED	

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*	FK	Nichols, J.G. et al. (eds), "Indirect mechanisms of synaptic transmission", <i>From Neuron to Brain</i> , 3 rd edition, Sinauer Associates, Inc., 1992
*	FL	Oslo et al. (Eds), <i>Remington's Pharmaceutical Sciences</i> , 16 th edition, Mack Publishing Co., 1980
	FM	Gantz, I. et al., "Molecular cloning of a novel melanocortin receptor", <i>J. Biol. Chem.</i> , 1993 , 268(11), pp 8246-8250
	FN	Howard, A.D. et al., "A receptor in pituitary and hypothalamus that functions in growth hormone release", <i>Science</i> , 1996 , 273, pp 974-977
	FO	Iismaa, T.P. et al., "Isolation and chromosomal localization of a novel human G-protein-coupled receptor (GPR3) expressed predominately in the central nervous system", <i>Genomics</i> , 1994 , 24, pp391-394
	FP	Heiber, M. et al., "Isolation of three novel melanocortin receptor", <i>J. Biol. Chem.</i> , 1993 , 26(11), pp 8246-8250
	FQ	Bertin, B. et al., "Cellular signaling by an agonist-activated receptor/Gs-alpha fusion protein", <i>Proc. Natl. Acad. Sci. USA</i> , 1994 , 91, pp 8827-8831
	FR	Wise, A. et al., "Rescue of functional interactions between the alpha-2-A-adrenoreceptor and acylation-resistant forms of Gil-alpha by expressing the proteins from chimeric open reading frames", <i>J. Biol. Chem.</i> , 1997 , 272, pp 24673-24678
	FS	Burt, A.R., et al. "Agonist occupation of an alpha-2-A-adrenoreceptor-Gil-alpha fusion protein results in activation of both receptor-linked and endogenous Gi proteins", <i>J. Biol. Chem.</i> , 1997 , 273, pp 10367-10375
	FT	Jensen et al., "mRNA profiling of rat islet tumors reveals Nkx 6.1 as a Cell-specific homeodomain transcription factor", <i>J. Biol. Chem.</i> , 1996 , 271(31), pp 18749-18758

EXAMINER**DATE CONSIDERED**

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.


Filing Date
June 7, 2001

Group
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	FU	Konig et al., "Method for identifying ligands that bind to cloned Gs-orGi-coupled receptors", <i>Mol. Cell. Neuro.</i> , 1991, 2, pp331-337
	FV	Leonard, J. et al., "The LIM family transcription factor Isl-1 requires cAMP response element binding protein to promote somatostatin expression in pancreatic islet cells", <i>Proc Natl. Acad. Sci. USA</i> , 1992, 89, pp 6247-6251
	FW	Marchese, A. et al., "Cloning of human genes encoding novel G protein-coupled receptors", <i>Genomics</i> , 1994, 23, pp 609-618
	FX	Marks, D.L. et al., "Simultaneous visualization of two cellular mRNA species in individual neurons by use of a new double in situ hybridization method", <i>Mol. & Cell. Neuro</i> , 1992, 3, pp 395-405
	FY	O'Dowd, B. et al., "Cloning and chromosomal mapping of four putative novel human G-protein-coupled receptor genes", <i>Gene</i> , 1997, 187, pp75-81
	FZ	Sakuri, T. et al., "Orexins and orexin receptors: A family of hypothalamic neuropeptides and G protein-coupled receptors that regulate feeding behavior", <i>Cell</i> , 1998, 92, pp 573-585
	GA	Song, Z.H., et al. "Molecular cloning and chromosomal localization of human genes encoding three closely related G-protein-coupled receptors", <i>Genomics</i> , 1995, 28, pp 347-349
	GB	Suzuki, M. et al., "Regulatable promoters for use in gene therapy applications: Modification of the 5'-flanking region of the CFTR gene with multiple cAMP response elements to support basal, low level gene expression that can be upregulated by exogenous agents that raise intracellular levels of cAMP", <i>Human Gene Therapy</i> , 1996, 7, pp 1883-1893
	GC	Xu, Y. et al., "Identification of human OGR1, a novel G Protein-coupled receptor that maps to chromosome 14", <i>Genomics</i> , 1996, 35, pp 397-402
	GD	Gellai, M. et al., "Nonpeptide endothelin receptor antagonists V: prevention and reversal of acute renal failure in the rat by SB 209670", <i>J. Pharm. Exp. Therap.</i> , 1995, 275(1), pp 200-206

EXAMINER**DATE CONSIDERED**

 Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. AREN-0240	Serial No. 09/876,252
		Applicant Dominic P. Behan, et al.	
		Filing Date June 7, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	GE	Heiber, M. et al., "Isolation of three novel human genes encoding G protein-coupled receptors", <i>DNA and Cell Biology</i> , 1995 , 14(1), pp 25-35	
	GF	Itoh, H. et al., "Molecular cloning and sequence determination of cDNAs for subunits of the guanine nucleotide-binding proteins Gs, G1, and G0 from rat brain", <i>Proc. Natl. Acad. Sci. USA</i> , 1986 , 83, pp 3776-3780	
	GG	Kenakin, T., "Are receptors promiscuous? Intrinsic efficacy as a transduction phenomenon", <i>Life Sciences</i> , 1998 , 43, pp 1095-1101	
	GH	Martone, R.L. et al. "Human CRF receptor chimeras: Mapping of ligand binding determinants", 26 th meeting of the society of Neuroscience, Washington, D.C., November 16-21, 1996 , Abstract No. 609.8	
	GI	Doerks, T. et al., "Protein annotation: detective work for function prediction", <i>TIG</i> , 1998 , 14(6), pp 248-250	
	GJ	Murdoch, c. et al., "Chemokine receptors and their in inflammation and infectious diseases", <i>Blood</i> , 2000 , 95(10), pp 3032-3043	
	GK	Watson, S. et al., "The G-Protein Linked Receptor Facts Book", 1994 , Academic Press, pp 2-6 & 223-230	
EXAMINER		DATE CONSIDERED	

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	GL	5,514,578	05/07/96	Hogness et al.	435	240.2
	GM	5,532,157	07/02/96	Fink	435	240.2
	GN	5,573,944	11/12/96	Kirschner et al.	435	252.3
	GO	5,639,616	06/17/97	Liao et al.	435	7.1
	GP	5,750,353	05/12/98	Kopin et al.	435	7.21

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	GQ	WO 97/11159	09/20/96	PCT	X	
	GR	WO 98/46995	10/22/98	PCT	X	
	GS	WO 99/52927	10/21/99	PCT	X	
	GT	WO 98/00552	01/08/98	PCT	X	

EXAMINER**DATE CONSIDERED**

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	GU	WO 98/34948	08/13/98	PCT	X	
	GV	2,135,523 CA	08/05/96	Canada	X	
	GW	WO 99 24569	05/20/99	Japan	X(abstract only)	
	GX	WO 97 21731 A	06/19/97	PCT	X	

EXAMINER**DATE CONSIDERED**

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	GY	WO 98 38217 A	09/03/98	PCT	X	
	GZ	WO 00 23588	04/27/00	PCT	X	
	HA	WO 99 55732	04/11/99	PCT	X	
	HB	WO 99 46378	09/16/99	Japan	X(abstract)	
	HC	WO 98 39441	09/11/98	PCT	X	
	HD	WO 99 24463	05/20/99	PCT	X	
	HE	EP 0 899 332	03/03/99	EPO	X	
	HF	WO 00 26369	05/11/00	PCT	X	
	HG	WO 99 52946	10/21/99	PCT	X	
	HH	WO 98 31810	07/23/98	PCT	X	
	HI	EP 0 860 502	08/26/98	EPO	X	
	HJ	WO 99 25830	05/27/99	PCT	X	
	HK	WO 99 55734	11/04/99	PCT	X	
	HL	WO 00 12707	03/09/00	PCT	X	
EXAMINER				DATE CONSIDERED		

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
AREN-0240

Serial No.
09/876,252

Applicant
Dominic P. Behan, et al.

Filing Date
June 7, 2001

Group
Not Yet Assigned

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	HM	WO 00 11170	03/02/00	PCT	X	
	HN	WO 00 11166	03/02/00	PCT	X	
	HO	WO 98 50549	11/12/98	PCT	X	
	HP	WO 00 28028	05/18/00	PCT	X	
	HQ	WO 99 42484	08/26/99	PCT	X	
	HR	WO 97 20045	06/05/97	PCT	X	
	HS	WO 97 24929	07/17/97	PCT	X	
	HT	WO 00 11015	03/02/00	PCT	X	
	HU	WO 98 46995	10/22/98	PCT	X	
	HV	WO99/55733	11/04/99	PCT		
	HW	0 913 471	05/06/99	EPO		
EXAMINER				DATE CONSIDERED		